

6. (new) A metering faucet mechanism comprising:
- a faucet housing;
  - a faucet cartridge disposed with said faucet housing and having a cartridge stem that is movable along a longitudinal axis;
  - a cartridge cap disposed within said faucet housing and contacting said cartridge stem;
  - and
  - a faucet handle pivotally attached to said faucet housing wherein said faucet handle includes a projection that contacts said cartridge cap, said projection having a center axis that is offset and generally parallel to the longitudinal axis of said cartridge stem.
7. (new) The metering faucet mechanism of claim 6 wherein, the projection is offset from the longitudinal axis of said cartridge stem towards a point where the faucet handle is pivotally attached to said faucet housing
8. (new) The metering faucet mechanism of claim 7 wherein the faucet housing includes a boss having a bore extending therethrough, said metering faucet mechanism further comprising a pin through the bore and attaching the handle to said faucet housing.
9. (new) The metering faucet mechanism of claim 8 where said cartridge cap further comprises a corner cut out which accommodates said boss.
10. (new) A metering faucet mechanism comprising:
- a faucet housing having an enlarged portion forming a boss, said boss having a bore extending therethrough;
  - a faucet handle having a cavity facing said faucet housing; and
  - a pin extending through said faucet handle and through said bore to pivotally attach said handle to said faucet housing;
- wherein said boss is substantially contained within said faucet handle cavity.
11. (new) The metering faucet mechanism of claim 10, wherein the faucet handle has a projection positioned within the cavity.

12. (new) The metering faucet mechanism of claim 11 further comprising a faucet cartridge.
13. (new) The metering faucet of claim 12 wherein the projection is offset from a center axis of said faucet cartridge towards said boss.
14. (new) The metering faucet mechanism comprising:
  - a faucet housing;
  - a faucet cartridge disposed in said faucet housing and having an outward extending movable cartridge stem;
  - and a unicast cartridge cap positioned inside the faucet housing such that a portion of the unicast cartridge cap positioned inside the faucet housing such that a portion of the unicast cartridge cap extends over and contacts the cartridge stem.
15. (new) The metering faucet mechanism of claim 14, wherein the unicast cartridge cap has a corner opening.
16. (new) The metering faucet of mechanism of claim 15, wherein said corner opening accommodates a boss integrally formed as part of the faucet housing.
17. (new) The metering faucet mechanism of claim 16, wherein the boss has a bore extending therethrough.
18. (new) The metering faucet mechanism of claim 17 further comprising a handle that is pivotally mounted to the faucet housing by a pin extending through the handle and the bore.
19. (new) The metering faucet of claim 18 wherein the handle has a cavity facing the unicast cartridge with the boss extending into the cavity.
20. (new) A metering faucet mechanism comprising:
  - a faucet housing;
  - a faucet cartridge disposed within said faucet housing;

a cartridge cap disposed within said faucet housing and contacting a portion of said faucet cartridge; and

a faucet handle having a projection;

wherein said cartridge cap includes a sloped camming surface that engages said projection on said faucet handle.

21. (new) The metering faucet mechanism of claim 20 wherein said portion of said faucet cartridge that contacts said cartridge cap is a movable stem.

22. (new) A metering faucet mechanism comprising:

a faucet housing including a boss having a bore therethrough;

a faucet cartridge disposed within said faucet housing; said faucet cartridge including a stem portion movable between an extended position and a compressed position;

a cartridge cap disposed within said faucet and contacting said stem portion of said faucet cartridge; and

a faucet handle pivotally attached to said boss;

wherein said bore of said stem position has a top portion that intersects a plane passing through said bore when said stem portion is in said extended position.